

## John Randolph

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[www.github.com/JohnORandolph](http://www.github.com/JohnORandolph)

### Education

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Brown University – Sc.B. in Applied Math-Computer Science & Behavioral Decision Sciences

Anticipated Graduation: May 2021

- Unweighted GPA: 3.85 / 4.0
- Computer Science: An Integrated Introduction I & II, Computer Systems, Discrete Structures & Probability
- Math: Statistical Inference I, Honors Linear Algebra, Applied Ordinary Differential Equations, Logic
- Spring 2019 Courses: Machine Learning, Making Decisions, Probabilistic Models of Operations Research, Logic for Systems, Modal Logic

Lakeside High School – High School Diploma

Graduation: June 2017

- Honors Mathematics through Calculus BC; 4 semesters of Computer Science
- Unweighted GPA: 3.97 / 4.0
- ACT: 35; Math II SAT subject test score: 800; Computer Science AP test score: 5

### Technical Skills

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Programming Languages: Java, C, Python, R, JavaScript, HTML, CSS, PHP, SQL, Scala, Racket, OCaml

Software: PostgreSQL, Mathematica, Rhinoceros, OpenSCAD, LaTeX

### Work experience

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June-August 2018: University of Washington Clinical Informatics Research Group – Developer in Python, JavaScript

- For [mover.com](http://mover.com) and [truenth.org](http://truenth.org): updated code from Python 2 to 3, implemented Swagger UI for testing, performed QA testing, fixed code formatting and implemented bot to check for formatting

Feb 2016-June 2017: Pagliacci Pizza – Cook

- Tossed, sauced, topped, and cooked dough into pizza, cleaned, did dishes, and was responsible for coordinating tasks and working together with other cooks.

### Academic Projects

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Statistically Significant Audio Cleaning Research – Java, Python

- Conducted research at Brown using machine learning to find best linear combination of denoising algorithms to clean audio on wide variety of audio and noise

Supreme Bot Chrome Extension – JavaScript, HTML, CSS, PHP

- Worked in 3-person team to make chrome extension that automatically buys Supreme brand clothing for users within seconds of the weekly clothing drop

Connect4 AI and Game – OCaml

- Worked with partner to make Connect4 game and intelligent AI using minimax algorithm

### Leadership and Engagement

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Month-long India service trip, 2015

- Developed content for nonprofit Grassroots website ([grassrootsindia.com](http://grassrootsindia.com)); surveyed villagers on technology for converting cow dung to power; compiled and analyzed responses.

Lakeside Student Government Treasurer, 2016-17

- Managed finances of school programs; developed budgets; organized fundraisers.

Youth Ultimate Frisbee Coach and Player, 2014-

- Play on USA National U20 team and professionally for Seattle Cascades
- Counselor at DiscNW & CUT camps; coach for Lakeside School, Cascades Academy, Seven Hills
- Worked with high school through presentations and meetings to shift team from club to varsity sport

### Honors and Awards

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- National Merit Winner, 2017
- Paul Allen Computing Challenge Round One Winner, 2016